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121 tetgtgetat ggteetgget gaettegggg egegtgtggt aegegtggae eggeeegget
181 cccgctacga cgtgagccgc ttgggccggg gcaagcgctc gctagtgctg gacctgaagc
241 ageogeggg ageogecgtg etgeggegte tgtgcaageg gteggatgtg etgetggage
301 ccttccgccg cggtgtcatg gagaaactcc agctgggccc agagattctg cagcgggaaa
361 atccaagget tatttatgec aggetgagtg gatttggeca gtcaggaage ttctgeeggt
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1201 aagctagtct ctaacttcca ggcccacggc tcaagtgaat ttgaatactg catttacagt
1261 gtagagtaac acataacatt gtatgcatgg aaacatggag gaacagtatt acagtgtcct
1321 accactctaa tcaagaaaag aattacagac tctgattcta cagtgatgat tgaattctaa
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1441 tagttattct gccttccagt ttgcttgata tatttgttga tattaagatt cttgacttat
1501 attttgaatg ggttctagtg aaaaaggaat gatatattct tgaagacatc gatatacatt
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1801 atgaggaaat gtgttggctc actacgtaga gtccagaggg acagtcagtt ttagggttgc
1861 ctgtatccag taactcgggg cctgtttccc cgtgggtctc tgggctgtca gctttccttt
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1981 cagcaacatc cagaaataaa gttct
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SV1 (AMACR Isoform 1; >FMhxm 44226FL01) GGGCGCCGGGATTGGGAGGGCTTCTTGCAGGCTGCTGGGGCTGAG GGCTGCTCAGTTTCCTTCAGCGGGGCACTGGGAAGCGCCATGGCACTGCA GGGCATCTCGGTCGTGGAGCTGTCCGGCCTTGGCCCCGGGCCCGTTCTGTG CTATGGTCCTGGCTGACTTCGGGGCGCGTGTGGTACGCGTGGACCGGCCC GCTGGACCTGAAGCAGCCGCGGGGAGCCGCGTGCTGCGGCGTCTGTGCA AGCGGTCGGATGTGCTGCTGGAGCCCTTCCGCCGCGGTGTCATGGAGAAA CTCCAGCTGGGCCCAGAGATTCTGCAGCGGGAAAATCCAAGGCTTATTTA TGCCAGGCTGAGTGGATTTGGCCAGTCAGGAAGCTTCTGCCGGTTAGCTG GCCACGATATCAACTATTTGGCTTTGTCAGGTGTTCTCTCAAAAATTGGC AGAAGTGGTGAGAATCCGTATGCCCCGCTGAATCTCCTGGCTGACTTTGC TGGTGGTGGCCTTATGTGTGCACTGGGCATTATAATGGCTCTTTTTGACC GCACACGCACTGGCAAGGGTCAGGTCATTGATGCAAATATGGTGGAAGGA ACAGCATATTTAAGTTCTTTTCTGTGGAAAACTCAGAAATCGAGTCTGTG GGAAGCACCTCGAGGACAGAACATGTTGGATGGTGGAGCACCTTTCTATA CGACTTACAGGACAGCAGATGGGGGAATTCATGGCTGTTGGAGCAATAGAA CCCCAGTTCTACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGA ACTTCCCAATCAGATGAGCATGGATGATTGGCCAGAAATGAAGAAGAAGT TTGCAGATGTATTTGCAAAGAAGACGAAGGCAGAGTGGTGTCAAATCTTT GACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGT TCATCATGATCACAACAAGGAACGGGGCTCGTTTATCACCAGTGAGGAGC AGGACGTGAGCCCCGCCCTGCACCTCTGCTGTTAAACACCCCAGCCATC CCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACT TGAAGAATTTGGATTCAGCCGCGAAGAGATTTATCAGCTTAACTCAGATA AAATCATTGAAAGTAATAAGGTAAAAGCTAGTCTCTAACTTCCAGGCCCA CGGCTCAAGTGAATTTGAATACTGCATTTACAGTGTAGAGTAACACATAA CATTGTATGCATGGAAACATGGAGGAACAGTATTACAGTGTCCTACCACT CTAATCAAGAAAGAATTACAGACTCTGATTCTACAGTGATGATTGAATT CTAAAAATGGTTATCATTAGGGCTTTTTGATTTATAAAACTTTTGGGTACTT ATACTAAATTATGGTAGTTATTCTGCCTTCCAGTTTGCTTGATATATTTG TTGATATTAAGATTCTTGACTTATATTTTGAATGGGTTCTAGTGAAAAAG GAATGATATTCTTGAAGACATCGATATACATTTATTTACACTCTTGAT TCTACAATGTAGAAAATGAGGAAATGCCACAAATTGTATGGTGATAAAAG TCACGTGAAACAGAGTGATTGGTTGCATCCAGGCCTTTTGTCTTGGTGTT CATGATCTCCCTCTAAGCACATTCCAAACTTTAGCAACAGTTATCACACT TTGTAATTTGCAAAGAAAAGTTTCACCTGTATTGAATCAGAATGCCTTCA ACTGAAAAAACATATCCAAAATAATGAGGAAATGTGTTGGCTCACTACG TAGAGTCCAGAGGGACAGTCAGTTTTAGGGTTGCCTGTATCCAGTAACTC GGGGCCTGTTTCCCCGTGGGTCTCTGGGCTGTCAGCTTTCCTTTCTCCAT GTGTTTGATTTCTCCTCAGGCTGGTAGCAAGTTCTGGATCTTATACCCAA AAAAAAAAAAAAAAAA (SEQ ID NO:4)

SV1 (>FMhxm_44226FL01_P1)

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GHDINYLALSGVLSKIGRSGENPYAPLNLLADFAGGGLMCALGIIMALFDRTRTGKGQVI
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YELLIKGLGLKSDELPNQMSMDDWPEMKKKFADVFAKKTKAEWCQIFDGTDACVTPVLTF
EEVVHHDHNKERGSFITSEEQDVSPRPAPLLLNTPAIPSFKRDPFIGEHTEEILEEFGFS
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SV2 (AMACR Isoform 2; >FMhxm 44226FL02

GGGCGCGGGATTGGGAGGCTTCTTGCAGGCTGCTGGGCTGGGGCTAAG GGCTGCTCAGTTTCCTTCAGCGGGGCACTGGGAAGCGCCATGGCACTGCA GGGCATCTCGGTCGTGGAGCTGTCCGGCCTGGCCCCGGGCCCGTTCTGTG CTATGGTCCTGGCTGACTTCGGGGCGCGTGTGGTACGCGTGGACCGGCCC GCTGGACCTGAAGCAGCCGCGGGGAGCCGCCGTGCTGCGGCGTCTGTGCA AGCGGTCGGATGTGCTGCAGCCCTTCCGCCGCGGTGTCATGGAGAAA CTCCAGCTGGGCCCAGAGATTCTGCAGCGGGAAAATCCAAGGCTTATTTA TGCCAGGCTGAGTGGATTTGGCCAGTCAGGAAGCTTCTGCCGGTTAGCTG GCCACGATATCAACTATTTGGCTTTGTCAGGTGTTCTCTCAAAAATTGGC AGAAGTGGTGAGAATCCGTATGCCCCGCTGAATCTCCTGGCTGACTTTGC TGGTGGTGGCCTTATGTGTGCACTGGGCATTATAATGGCTCTTTTTGACC GCACACGCACTGGCAAGGGTCAGGTCATTGATGCAAATATGGTGGAAGGA ACAGCATATTTAAGTTCTTTTCTGTGGAAAACTCAGAAATCGAGTCTGTG GGAAGCACCTCGAGGACAGAACATGTTGGATGGTGGAGCACCTTTCTATA CGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAA CCCCAGTTCTACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGA ACTTCCCAATCAGATGAGCATGGATGATTGGCCAGAAATGAAGAAGAAGT TTGCAGATGTATTTGCAAAGAAGACGAAGGCAGAGTGGTGTCAAATCTTT GACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGT TCATCATGATCACAACAAGGAACGGGGCTCGTTTATCACCAGTGAGGAGC AGGACGTGAGCCCCGCCCTGCACCTCTGCTGTTAAACACCCCAGCCATC CCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACT TGAAGAATTTGGATTCAGCCGCGAAGAGATTTATCAGCTTAACTCAGATA AAATCATTGAAAGTAATAAGGCTGGTAGCAAGTTCTGGATCTTATACCCA ACACACAGCAACATCCAGAAATAAAGATCTCAGGACCCCCCAGCAAGTCG TTTTGTGTCTCCTTGGACTGAGTTAAGTTACAAGCCTTTCTTATACCTGT CTTTGACAAAGAAGACGGGATTGTCTTTACATAAAACCAGCCTGCTCCTG GAGCTTCCCTGGACTCAACTTCCTAAAGGCATGTGAGGAAGGGGTAGATT CCACAATCTAATCCGGGTGCCATCAGAGTAGAGGGGGGTAGAGAATGGATG TTGGGTAGGCCATCAATAAGGTCCATTCTGCGCAGTATCTCAACTGCCGT TCAACAATCGCAAGAGGAAGGTGGAGCAGGTTTCTTCATCTTACAGTTGA GAAAACAGAGACTCAGAAGGGCTTCTTAGTTCATGTTTCCCTTAGCGCCT CAGTGATTTTTCATGGTGGCTTAGGCCAAAAGAAATATCTAACCATTCA ATTTATAAATAATTAGGTCCCCAACGAATTAAATATTATGTCCTACCAAC TCATTTCTATTTCATTGTTAATCACAACTACTTACTAAGGAGATGTATGC ACCTATTGGACACTGTGCAACTTCTCACCTGGAATGAGATTGGACACTGC TGCCCTCATTTTCTGCTCCATGTTGGTGTCCATATAGTACTTGATTTTTT ATCAGATGGCCTGGAAAACCCAGTCTCACAAAAATATGAAATTATCAGAA GGATTATAGTGCAATCTTATGTTGAAAGAATGAACTACCTCACTAGTAGT TCACGTGATGTCTGACAGATGTTGAGTTTCATTGTGTTTTGTGTTCAAA TTTTTAAATATTCTGAGATACTCTTGTGAGGTCACTCTAATGCCCTGGGT GCCTTGGCACAGTTTTAGAAATACCAGTTGAAAATATTTGCTCAGGAATA TGCAACTAGGAAGGGGCAGAATCAGAATTTAAGCTTTCATATTCTAGCCT TCAGTCTTGTTCTTCAACCATTTTTAGGAACTTTCCCATAAGGTTATGTT TTCCAGCCCAGGCATGGAGGATCACTTGAGGCCAAGAGTTCGAGACCAGC TATCCAGGTATGGTGGTGTGTGCCTGTAGTCCTATCTACTCAAGGGTGGG GCAGGAGGATCACTTGAGCCCAGGAATTTGAGGCCACAGTGAATTAGGAT TGCACCACTGCACTCTAGCCCAGGCAACAGAACAAGAACCTGTCTCTAAA TAAATAAATAAAATAATAATAAAAAAAGATGTTTTCCCTACAAAAA GACTTTTCATTTGAACTCGGTCCAGCAAGGAAAATATAACCCACTCGAAG TCTTTAAAACAGAGGAAATTTAATATAAAGAATTCCACTGGTGACGAAAG AGCAGAGAAGCCCAGAAGATAGTGAGGCAACCCTGATAGGAACATAACTA GGAAGCCAAGACCACTCCTATGGTTGCAGGGGTGATGGGAAAGCTGGTGT ACTTGGACCCAGAAGCCAAAGTTGCTGCACCCACCTTGGAGACATAGACA CTGGCAGTAATACCTCAGGGAGAAGAAAGAAATCTAGGGAAATATCCTGG CTTCTTTCCTCTCTCTCCCCTAGTCTTCCTACCAGTGTCTCCCATTA GCCAAATCTACCTAGAAGCCAGAAAACAAGGGAACCCTGGAAATGTAGCC CCATAAGATAAAGAGCACCAAAGGAAATAGATCTGAGCAGACAGGCAGCA CAAAATGCAGTGTGTATGGTTTATTCACTCAGTAATTCCTTTAGCAAATG TTTATTGAGGATCTACTAGGTGCCAGGTATCATGATACTTGCTGGGGATA CCATAATGAACAAAACAGACCTGTTCTCCGCTCTTGAGGAAATCAAAGAC AAACACAGGATATGGAATAAACCCAGAATTATCTCATTGTAAAATGTGTT AAGTACCACGAGGAGAAATATCAGGGCCATCTGACACAGCTAATGATTTG AAGAAGGGTGTGACCTGCCACCATTTTAAATCTAGTTATTTCACTCCTGA GCTGTGTGTGGAAAACTTGTAGTAAAAAATAGAATGTCTATATTTATA AAAAGTTTATGAAAAGATATCAATTTATTTACATTTTGACAAACTCTATG TAATAAGGCTTTATTACTCACGGCCATGTGTGTGTGATCATGTGTAATAGCA TGTGTGTATGAGAGAGAGAGCCATATGTAATTATGTGTAATAACGTCTG TGAGAGAGAGCCATGTGTGTGATCATGTAAAATAACGTGTGTGAGAGAA GCCATGTGTGTGATCGTGTAAAATAACGTGTGTGAGAAGCCGTGTGTGAT (SEQ ID NO:6)

SV2 (>FMhXm 44226FL02 P1)

MALQGISVVELSGLAPGPFCAMVLADFGARVVRVDRPGSRYDVSRLGRGKRSLVLDLKQP RGAAVLRRLCKRSDVLLEPFRRGVMEKLQLGPEILQRENPRLIYARLSGFGQSGSFCRLA GHDINYLALSGVLSKIGRSGENPYAPLNLLADFAGGGLMCALGIIMALFDRTRTDKGQVI DANMVEGTAYLSSFLWKTQKSSLWEAPRGQNMLDGGAPFYTTYRTADGEFMAVGAIEPQF YELLIKGLGLKSDELPNQMSMDDWPEMKKKFADVFAKKTKAEWCQIFDGTDACVTPVLTF EEVVHHDHNKERGSFITSEEQDVSPRPAPLLLNTPAIPSFKRDPFIGEHTEEILEEFGFS REEIYQLNSDKIIESNKAGSKFWILYPTHSNIQK (SEQ ID NO:7) SV3 (AMACR Isoform 3; >FMhxm 44226FL03)

GGGCGCCGGGATTGGGAGGCTTCTTGCAGGCTGCTGGGGCTAAG GGCTGCTCAGTTTCCTTCAGCGGGGCACTGGGAAGCGCCATGGCACTGCA GGGCATCTCGGTCGTGGAGCTGTCCGGCCTTGGCCCCGGGCCCGTTCTGTG CTATGGTCCTGGCTGACTTCGGGGCGCGTGTGGTACGCGTGGACCGGCCC GCTGGACCTGAAGCAGCCGCGGGGAGCCGCCGTGCTGCGGCGTCTGTGCA AGCGGTCGGATGTGCTGCAGGCCCTTCCGCCGCGGTGTCATGGAGAAA CTCCAGCTGGGCCCAGAGATTCTGCAGCGGGAAAATCCAAGGCTTATTTA TGCCAGGCTGAGTGGATTTGGCCAGTCAGGAAGCTTCTGCCGGTTAGCTG AAGTTCTTTTCTGTGGAAAACTCAGAAATCGAGTCTGTGGGAAGCACCTC GAGGACAGAACATGTTGGATGGTGGAGCACCTTTCTATACGACTTACAGG ACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCCCAGTTCTA CGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATC AGATGAGCATGATTGGCCAGAAATGAAGAAGAAGTTTGCAGATGTA TTTGCAAAGAAGACGAAGGCAGAGTGGTGTCAAATCTTTGACGGCACAGA TGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGTTCATCATGATC ACAACAAGGAACGGGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGC CCCCGCCCTGCACCTCTGCTGTTAAACACCCCAGCCATCCCTTCTTTCAA AAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACTTGAAGAATTTG GATTCAGCCGCGAAGAGATTTATCAGCTTAACTCAGATAAAATCATTGAA AGTAATAAGGTAAAAGCTAGTCTCTAACTTCCAGGCCCACGGCTCAAGTG AATTTGAATACTGCATTTACAGTGTAGAGTAACACATAACATTGTATGCA TGGAAACATGGAGGAACAGTATTACAGTGTCCTACCACTCTAATCAAGAA AAGAATTACAGACTCTGATTCTACAGTGATGATTGAATTCTAAAAATGGT TATCATTAGGGCTTTTGATTTATAAAACTTTGGGTACTTATACTAAATTA TGGTAGTTATTCTGCCTTCCAGTTTGCTTGATATATTTGTTGATATTAAG ATTCTTGACTTATATTTTGAATGGGTTCTAGTGAAAAAGGAATGATATAT TCTTGAAGACATCGATATACATTTATTTACACTCTTGATTCTACAATGTA GAAAATGAGGAAATGCCACAAATTGTATGGTGATAAAAGTCACGTGAAAC AGAGTGATTGGTTGCATCCAGGCCTTTTGTCTTGGTGTTCATGATCTCCC TCTAAGCACATTCCAAACTTTAGCAACAGTTATCACACTTTGTAATTTGC AAAGAAAAGTTTCACCTGTATTGAATCAGAATGCCTTCAACTGAAAAAAA CATATCCAAAATAATGAGGAAATGTGTTGGCTCACTACGTAGAGTCCAGA GGGACAGTCAGTTTTAGGGTTGCCTGTATCCAGTAACTCGGGGCCTGTTT CCCCGTGGGTCTCTGGGCTGTCAGCTTTCCTTTCTCCATGTGTTTTGATTT CTCCTCAGGCTGGTAGCAAGTTCTGGATCTTATACCCAACACACAGCAAC ATCCAGAAATAAAGATCTCAGGACCCCCAGCAAGTCGTTTTGTGTCTCC TTGGACTGAGTTAAGTTACAAGCCTTTCTTATACCTGTCTTTGACAAAGA AGACGGGATTGTCTTTACATAAAACCAGCCTGCTCCTGGAGCTTCCCTGG ACTCAACTTCCTAAAGGCATGTGAGGAAGGGGTAGATTCCACAATCTAAT CCGGGTGCCATCAGAGTAGAGGGAGTAGAGAATGGATGTTGGGTAGGCCA TCAATAAGGTCCATTCTGCGCAGTATCTCAACTGCCGTTCAACAATCGCA AGAGGAAGGTGGAGCAGGTTTCTTCATCTTACAGTTGAGAAAACAGAGAC TCAGAAGGGCTTCTTAGTTCATGTTTCCCTTAGCGCCTCAGTGATTTTTT TTAGGTCCCCAACGAATTAAATATTATGTCCTACCAACTTATTAGCTGCT TGAAAAATATAATACACATAAATAAAAAAATATATTTTTCATTTCTATTT CATTGTTAATCACAACTACTTACTAAGGAGATGTATGCACCTATTGGACA

FIG. 7B

SV3 (>FMhxm_44226FL03_P1)

MALQGISVVELSGLAPGPFCAMVLADFGARVVRVDRPGSRYDVSRLGRGKRSLVLDLKQP RGAAVLRRLCKRSDVLLEPFRRGVMEKLQLGPEILQRENPRLIYARLSGFGQSGSFCRLA GHDINYLALSGGRNSIFKFFSVENSEIESVGSTSRTEHVGWWSTFLYDLQDSRWGIHGCW SNRTPVLRAADQRTWTKV (SEQ ID NO:9) SV4 (AMACR Isoform 4; >gi|14725916|ref|XM_043772.1| Homo sapiens alpha-methylacyl-CoA racemase (AMACR), mRNA)

TTGCAGGCTGCTGGGCTGGGGCTAAGGGCTGCTCAGTTTCCTTCAGCGGG GCACTGGGAAGCGCCATGGCACTGCAGGGCATCTCGGTCGTGGAGCTGTC CGGCCTGGCCCGGGCCCGTTCTGTGCTATGGTCCTGGCTGACTTCGGGG CGCGTGTGGTACGCGTGGACCGGCCCGGCTCCCGCTACGACGTGAGCCGC TTGGGCCGGGGCAAGCGCTCGCTAGTGCTGGACCTGAAGCAGCCGCGGGG AGCCGCCGTGCTGCGGCGTCTGTGCAAGCGGTCGGATGTGCTGCTGGAGC CCTTCCGCCGCGGTGTCATGGAGAAACTCCAGCTGGGCCCAGAGATTCTG CAGCGGGAAAATCCAAGGCTTATTTATGCCAGGCTGAGTGGATTTGGCCA GTCAGGAAGCTTCTGCCGGTTAGCTGGCCACGATATCAACTATTTGGCTT TGTCAGGTGTTCTCTCAAAAATTGGCAGAAGTGGTGAGAATCCGTATGCC CCGCTGAATCTCCTGGCTGACTTTGCTGGTGGTGGCCTTATGTGTGCACT GGGCATTATAATGGCTCTTTTTGACCGCACGCACTGGCAAGGGTCAGG TCATTGATGCAAATATGGTGGAAGGAACAGCATATTTAAGTTCTTTTCTG TGGAAAACTCAGAAATCGAGTCTGTGGGAAGCACCTCGAGGACAGAACAT GTTGGATGGTGGAGCACCTTTCTATACGACTTACAGGACAGCAGATGGGG AATTCATGGCTGTTGGAGCAATAGAACCCCAGTTCTACGAGCTGCTGATC AAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATCAGATGAGCATGGA TGATTGGCCAGAAATGAAGAAGAAGTTTGCAGATGTATTTGCAAAGAAGA CGAAGGCAGAGTGTTCAAATCTTTGACGCACAGATGCCTGTGTGACT CCGGTTCTGACTTTTGAGGAGGTTGTTCATCATGATCACAACAAGGAACG GGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGCCCCCGCCCTGCAC CTCTGCTGTTAAACACCCCAGCCATCCCTTCTTTCAAAAGGGATCCTTTC ATAGGAGAACACACTGAGGAGATACTTGAAGAATTTGGATTCAGCCGCGA AGAGATTTATCAGCTTAACTCAGATAAAATCATTGAAAGTAATAAGGTAA AAGCTAGTCTCTAACTTCCAGGCCCACGGCTCAAGTGAATTTGAATACTG CATTTACAGTGTAGAGTAACACATAACATTGTATGCATGGAAACATGGAG GAACAGTATTACAGTGTCCTACCACTCTAATCAAGAAAAGAATTACAGAC TCTGATTCTACAGTGATGATTGAATTCTAAAAATGGTTATCATTAGGGCT TTTGATTTATAAAACTTTGGGTACTTATACTAAATTATGGTAGTTATTCT GCCTTCCAGTTTGCTTGATATATTTGTTGATATTAAGATTCTTGACTTAT ATTTTGAATGGGTTCTAGTGAAAAAGGAATGATATATTCTTGAAGACATC GATATACATTTATTTACACTCTTGATTCTACAATGTAGAAAATGAGGAAA TGCCACAAATTGTATGGTGATAAAAGTCACGTGAAACAGAGTGATTGGTT GCATCCAGGCCTTTTGTCTTGGTGTTCATGATCTCCCTCTAAGCACATTC CAAACTTTAGCAACAGTTATCACACTTTGTAATTTGCAAAGAAAAGTTTC ACCTGTATTGAATCAGAATGCCTTCAACTGAAAAAAACATATCCAAAATA TTAGGGTTGCCTGTATCCAGTAACTCGGGGCCTGTTTCCCCGTGGGTCTC TGGGCTGTCAGCTTTCCTTTCTCCATGTGTTTGATTTCTCCTCAGGCTGG TAGCAAGTTCTGGATCTTATACCCAACACACAGCAACATCCAGAAATAAA GATCT (SEQ ID NO:10)

SV3 ($>gi|14725917|ref|XP_043772.1|$ alpha-methylacyl-CoA racemase [Homo sapiens])

MALQGISVVELSGLAPGPFCAMVLADFGARVVRVDRPGSRYDVSRLGRGKRSLVLDLKQP RGAAVLRRLCKRSDVLLEPFRRGVMEKLQLGPEILQRENPRLIYARLSGFGQSGSFCRLA GHDINYLALSGVLSKIGRSGENPYAPLNLLADFAGGGLMCALGIIMALFDRTRTGKGQVI DANMVEGTAYLSSFLWKTQKSSLWEAPRGQNMLDGGAPFYTTYRTADGEFMAVGAIEPQF YELLIKGLGLKSDELPNQMSMDDWPEMKKKFADVFAKKTKAEWCQIFDGTDACVTPVLTF EEVVHHDHNKERGSFITSEEQDVSPRPAPLLLNTPAIPSFKRDPFIGEHTEEILEEFGFS REEIYQLNSDKIIESNKVKASL (SEQ ID NO:11)

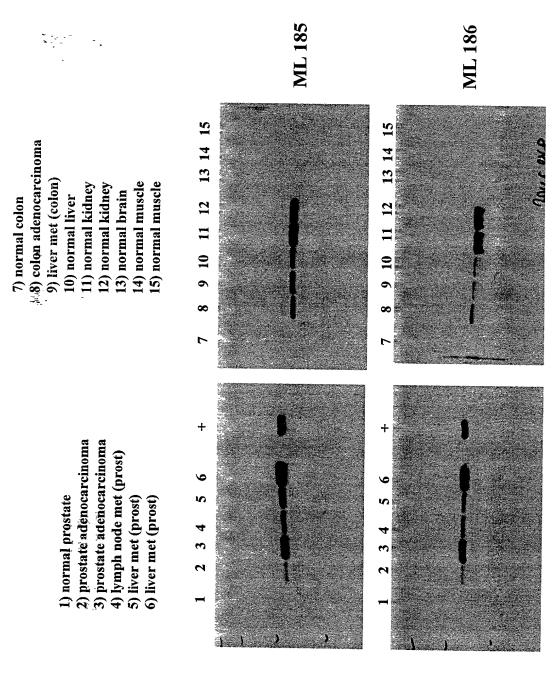
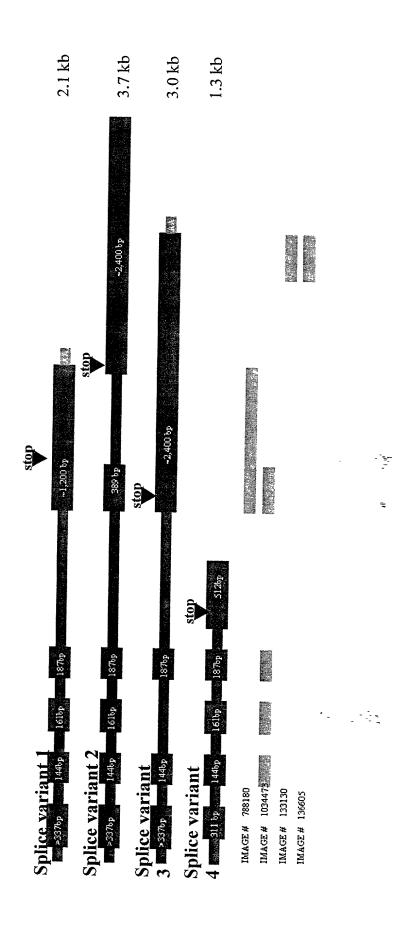


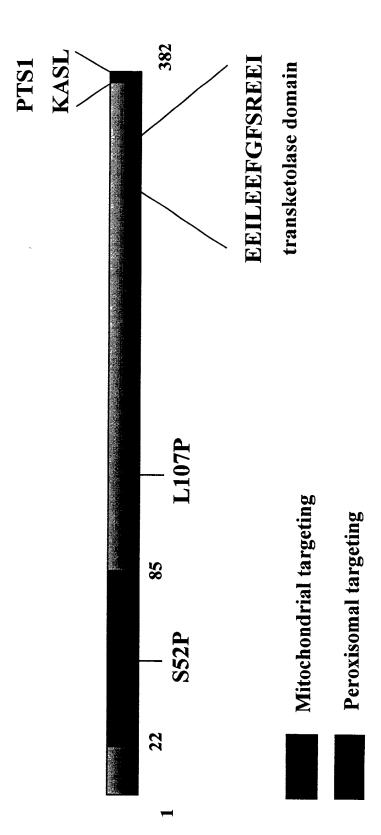
FIG. 11

FIG. 12

Racemace splice variants identified by sequencing of IMAGE clones







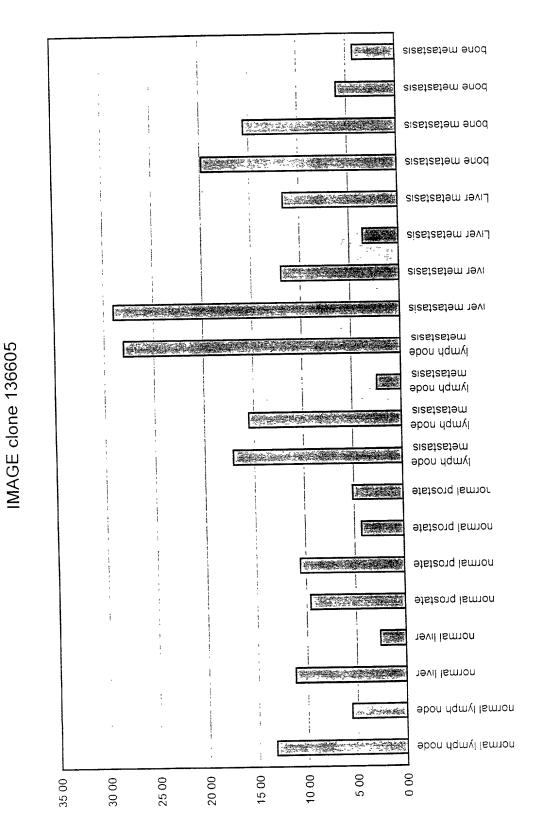


IMAGE clone 133130

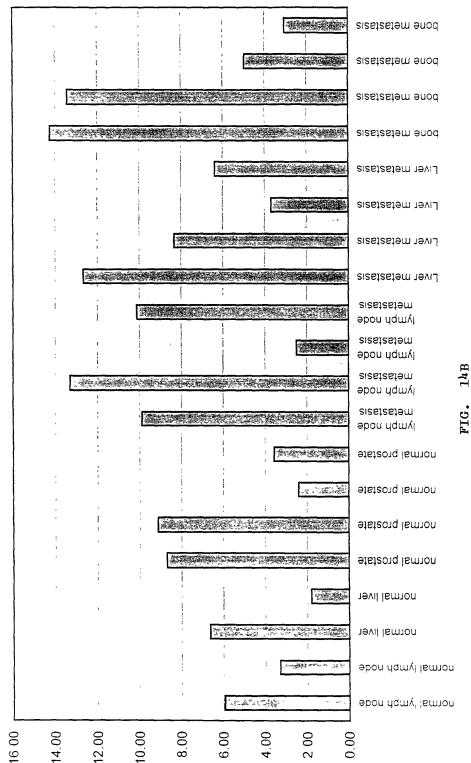


IMAGE clone 1034473: MID=44226 alpha-methylacyl-CoA racemase

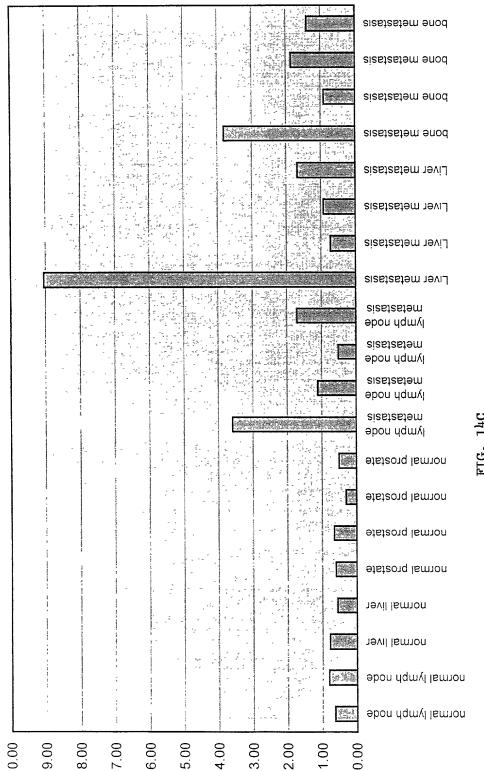


IMAGE clone 788180: MID=44226 alpha-methylacyl-CoA racemase

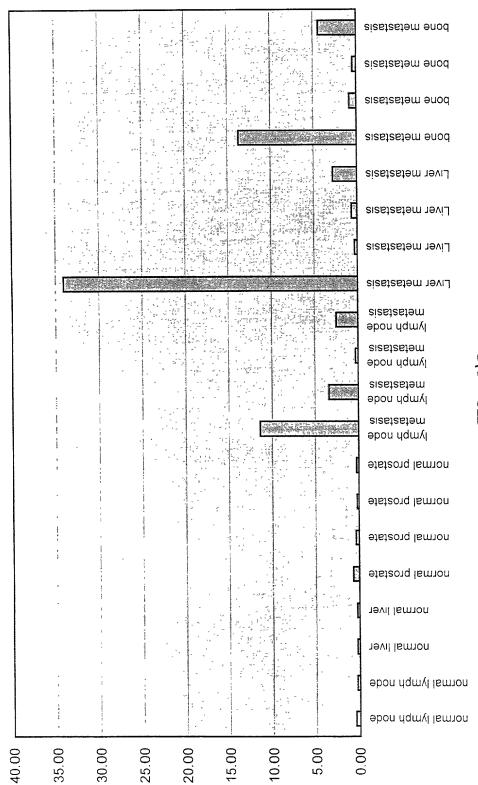


FIG. 14D